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[The Didactic Robots - Maris, Schaad \(1995\)](#) (Correct) (2 citations)

to power1 processor to power 2 motors Light **detect sensor** 1 Beeper Light **detect sensor** 2 Light

1.2. The **Sensor**-Actuator I/O Board

www.inet.gda.pl/ai/ftp.ifi.unizh.ch/pub/institute/ailab/techreports/95.09.ps.gz

[A Specification Of 3D Manipulation In Virtual Environments - Su, Furuta \(1994\)](#) (Correct)

interfaces to virtual worlds. The use of hand **gestures** is an important part of that interface. However, a 3-D mouse with buttons, which has the ability to **detect** positions and **orientations** in 3-D space. These which has the ability to **detect** positions and **orientations** in 3-D space. These **gestures** can be combined

www.cSDL.tamu.edu/~su/publications/ismcr94.ps.gz

[Scale Selection Using Three Different.. - Garcia..](#) (Correct)

repeatability when using manual means. The scale **detection** poses a problem in that a non-trained human descriptions at the spatial scales for active **sensors** under a data-driven multisensor organization, decsai.ugr.es/pub/diata/tech_rep/TR960338.ps.Z

[Extending An Existing User Interface Toolkit To Support.. - James Landay \(1993\)](#) (Correct) (5 citations)

An Existing User Interface Toolkit To Support **Gesture** Recognition James A. Landay And Brad A. Myers wishes a **gesture** to be independent of size or **orientation**, she must provide examples which vary in size she must provide examples which vary in size or **orientation** while training the classifier. It may make www.cs.cmu.edu/afs/cs.cmu.edu/project/garnet/doc/papers/agateCHI93.ps

[A Knowledge Based Approach to Automatic Image Registration - Growe, Tönjes \(1997\)](#) (Correct) (2 citations)

registration of remotely sensed images is the **detection** of corresponding points in the image and the The inaccuracy of flight parameters and the **sensor** specific appearance of objects are the and INS give an initial estimation of the **sensor orientation**. Nevertheless the **orientation** is inaccurate. ftp.tnt.uni-hannover.de/pub/papers/1997/ICIP97-SGRT.ps.gz

[Parts Orienting with Partial Sensor Information - Akella, Mason \(1998\)](#) (Correct) (5 citations)

Parts Orienting with Partial **Sensor** Information Srinivas Akella Matthew T. Mason process of bringing parts in initially unknown **orientations** to a goal **orientation**, is an important aspect in initially unknown **orientations** to a goal **orientation**, is an important aspect of automated assembly. pecan.srv.cs.cmu.edu/afs/cs/misc/mosaic/all_mach/omega/Web/People/mlab/papers/sa-icra98a.ps

[Toward Gesture-Based Programming: Agent-Based Haptic Skill.. - Voyles \(1997\)](#) (Correct) (1 citation)

Preliminary Toward **Gesture**-Based Programming: Agent-Based Haptic Skill www.cs.cmu.edu/~aml/publications/voyles.phd.ps.gz

[An Architecture to Simplify Communicating Applications - O'Hara \(1994\)](#) (Correct) (1 citation)

the creation of communicating applications for **handheld** computers. We briefly introduce the overall between synchronizations. Such conflicts are **detected** during the synchronization process. When this ftp.cse.ucsc.edu/pub/wmc-94/ohara.ps

[Orientation Of Moms-02/d2 And Moms-2p Imagery - Ebner, Ohlhof, Putz](#) (Correct)

the high accuracy potential of the MOMS02 **sensor** couldn't be exhausted due to several problems.

Orientation Of Moms-02/d2 And Moms-2p Imagery H. Ebner,

Commision Iii, Working Group 1 Key Words: **Orientation**, Three-Line, Ccd, Bundle Block Adjustment, www.photo.verm.tu-muenchen.de/staff/elmar/publications/ebnetal96.ps.gz

[The OEEPE Test on Integrated Sensor Orientation --.. - Christian Heipke Karsten](#) (Correct)

essentially only necessary for calibration, for **detecting** and eliminating GPS errors such as cycle slips Heipke et al. 195 The OEEPE Test on Integrated **Sensor Orientation** -Results of Phase I CHRISTIAN Et Al. 195 The Oeepe Test On Integrated **Sensor Orientation** -Results Of Phase I Christian Heipke, www.ifp.uni-stuttgart.de/publications/phowo01/Heipke.pdf

Handheld gesture detect sensor orientation - ResearchIndex document query

Multi-level Data Fusion for the Detection of.. - Borghys, Verlinde, .. (1998) (Correct)

Multi-level Data Fusion for the **Detection** of Targets using multi-spectral Image range automatic **detection** of vehicles, using multi-**sensor** image sequences. The method was tested on a ftp.elec.rma.ac.be/user/dirk/OptEng98.ps.gz

The Resolvability Ellipsoid for Sensor Based Manipulation - Nelson, Khosla (1993) (Correct)

The Resolvability Ellipsoid for **Sensor** Based Manipulation Brad Nelson Pradeep K. Khosla a visual **sensor** to resolve object positions and **orientations**. Our main interest in resolvability is in visually servo an object to a goal position and **orientation**. The resolvability ellipsoid is introduced to reports-archive.adm.cs.cmu.edu/anon/robotics/CMU-RI-TR-93-28.ps.Z

Exploring a New Interaction Paradigm for Collaborating on.. - Regan Mandryk Kori (Correct)

a New Interaction Paradigm for Collaborating on **Handheld** Computers Regan L. Mandryk, Kori M. Inkpen EDGE guir.berkeley.edu/pubs/./projects/geney/GeneyTechReport.pdf

Multimodal Man-Machine Interface for Mission Planning - Medl, Marsic, Andre.. (1998) (Correct) (1 citation)

components: ffl force-feedback tactile input and **gesture** recognition Workspace User 1 Fusion Agent the methods applied for language processing and **sensory** fusion are introduced and research progress is on the back of the hand provides wrist position/**orientation**. Hand **gesture** module The hand **gesture** module www.caip.rutgers.edu/~medl/PUBLICATIONS/aaai.ps

Cellular Robotics: Behaviour in Polluted Environments - Buscemi, Prati, Sandini (Correct)

of ultrasonic **sensors**, two chemical **sensors** to **detect** gas sources and a communication system based on this paper. Each robotic unit is equipped with a **sensory** system with three pairs of ultrasonic **sensors**, afrodite.lira.dist.unige.it:81/LIRA/REPORTS/mini.veterans.ps

Handheld CSCW - Schmidt, Lauff, Beigl (Correct)

Handheld CSCW Albrecht Schmidt, Markus Lauff and Michael www.teco.edu/hcscw/sub/120.Schmidt/120.Schmidt.pdf

Sensing And Control For Autonomous Grasping In Dynamic.. - Zhang, Damianakis.. (Correct)

sensing system with eye-in-hand vision and tactile **sensor** pads. Sensing information is passed on to an received signal to measure distance, angle or **orientation** depending on the mode of operation. The **sensor** light, surface material properties and surface **orientation**, they typically require a base separation www.cim.mcgill.ca/~arlweb/publications/manuf95.ps

Description and Recognition of Human Gestures Based on .. - Nishikawa, Ohnishi.. (1998) (Correct) (2 citations)

Description and Recognition of Human **Gestures** Based on the Transition of Curvature from Motion robotics.me.es.osaka-u.ac.jp/~atsushi/publications/fg98.ps.gz

An Extended Kalman Filter for frequent local and infrequent .. - Roumeliotis, Bekey (1997) (Correct) (6 citations)

measurements of known landmarks (light sources **detected** using a CCD camera)In (Baumgartner &Skaar Filter for frequent local and infrequent global **sensor** data fusion Stergios I. Roumeliotis 1 and systems are able to approximate position and **orientation** by feeding data (provided usually by local www.scf.usc.edu/~roumelio/spie97.ps.gz

Neural Sensor Fusion for Spatial Visualization on a.. - Martens, Carpenter.. (Correct)

the B14's surface are sixteen infrared proximity **detectors** and sixteen sonar range finders, distributed Neural **sensor** fusion for spatial visualization on a mobile neurobotics.bu.edu/publications/./ps/MarCarGau98SPIE.ps.gz

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1	10585	multiple with (component module logic) and electronic near3 device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:20
2	1987	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:21
3	825	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:22
4	218	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)) and active and (deact\$4 sleep inactiv\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:23
5	258	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)) and active and (deact\$6 sleep inactiv\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:23
6	299	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)) and activ\$6 and (deact\$6 sleep inactiv\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:23
8	1	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)) and activ\$6 and (deact\$6 sleep inactiv\$5)) and sensor\$4 same (orient\$4 tilt\$4 turn\$4 rotat\$4) with device) and detect\$4 with orientation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:26
9	2	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)) and activ\$6 and (deact\$6 sleep inactiv\$5)) and sensor\$4 same (orient\$4 tilt\$4 turn\$4 rotat\$4) with device) and detect\$4 same orientation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:28
10	22	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)) and activ\$6 and (deact\$6 sleep inactiv\$5)) and sensor\$4 same (orient\$4 tilt\$4 turn\$4 rotat\$4) with device) and detect\$4 same (movement orientation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:28
7	35	((multiple with (component module logic) and electronic near3 device) and (coupl\$5 attach\$4 detach\$5) same multiple with (component module logic) and electronic near3 device) and select\$5 with (function\$4 operation\$4 activ\$6)) and activ\$6 and (deact\$6 sleep inactiv\$5)) and sensor\$4 same (orient\$4 tilt\$4 turn\$4 rotat\$4) with device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:35
11	8	modules and sensor\$4 same detected with orient\$4 and (portable notebook handheld pda (electronic near device) (cell adj phone))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:38
12	12	coupled with (modules logic components) and sensor\$4 same detected with orient\$4 and (portable notebook handheld pda (electronic near device) (cell adj phone))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:39

13	41	coupled with (modules logic components) and sensor\$4 same detect\$5 with orient\$4 and (portable notebook handheld pda (electronic near device) (cell adj phone))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:39
14	51	coupl\$5 with (modules logic components) and sensor\$4 same detect\$5 with orient\$4 and (portable notebook handheld pda (electronic near device) (cell adj phone))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:41
15	7	(coupl\$5 with (modules logic components) and sensor\$4 same detect\$5 with orient\$4 and (portable notebook handheld pda (electronic near device) (cell adj phone))) and user with interface	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:42
16	40	(coupl\$5 with (modules logic components) and sensor\$4 same detect\$5 with orient\$4 and (portable notebook handheld pda (electronic near device) (cell adj phone))) and (screen display interfac\$4 button icon)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:44
17	14	((coupl\$5 with (modules logic components) and sensor\$4 same detect\$5 with orient\$4 and (portable notebook handheld pda (electronic near device) (cell adj phone))) and (screen display interfac\$4 button icon)) and (gravity upward downward)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:48
18	448	gravity and upward and downward and detect\$5 with orientation and (handheld pda device)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:49
19	5	(gravity and upward and downward and detect\$5 with orientation and (handheld pda device)) and selectively with activating	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:50
20	82	(gravity and upward and downward and detect\$5 with orientation and (handheld pda device)) and sensor and active and select\$4 with (module component features logic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:51
21	45	((gravity and upward and downward and detect\$5 with orientation and (handheld pda device)) and sensor and active and select\$4 with (module component features logic)) and housing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:09
22	943	(pda handheld laptop notebook) and (attach\$4 decoupl\$4 coupl\$4) same (modules components features functions) and sens\$4 with orient\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:19
23	6	(((pda handheld laptop notebook) and (attach\$4 decoupl\$4 coupl\$4) same (modules components features functions) and sens\$4 with orient\$6) and (availab\$4 active) same (modules components features functions) same based same sens\$4 with orient\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:21
24	39	(((pda handheld laptop notebook) and (attach\$4 decoupl\$4 coupl\$4) same (modules components features functions) and sens\$4 with orient\$6) and (availab\$4 active) same (modules components features functions) same sens\$4 with orient\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:22
25	1	((((pda handheld laptop notebook) and (attach\$4 decoupl\$4 coupl\$4) same (modules components features functions) and sens\$4 with orient\$6) and (availab\$4 active) same (modules components features functions) same sens\$4 with orient\$6) and 345/863.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:23

26	1	(((pda handheld laptop notebook) and (attach\$4 decoupl\$4 coupl\$4) same (modules components features functions) and sens\$4 with orient\$6) and (availab\$4 active) same (modules components features functions) same sens\$4 with orient\$6) and 345/863,864,866,206,699,1.1-1.3.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:25
27	34	sens\$4 with orient\$6 and (device handheld pda) and 345/863,864,866,206,699,1.1-1.3.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:26
28	19	(sens\$4 with orient\$6 and (device handheld pda) and 345/863,864,866,206,699,1.1-1.3.ccls.) and modules	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:26
29	32	(sens\$4 with orient\$6 and (device handheld pda) and 345/863,864,866,206,699,1.1-1.3.ccls.) and (logics modules components)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:26
30	21	((sens\$4 with orient\$6 and (device handheld pda) and 345/863,864,866,206,699,1.1-1.3.ccls.) and (logics modules components)) and select\$4 and activ\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:27